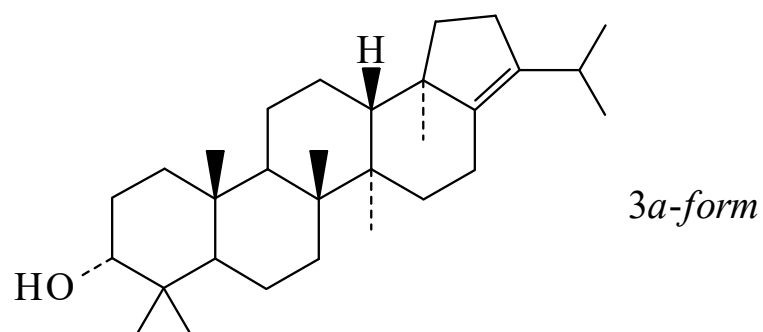




>>Entry Name: 17(21)-Hopen-3-ol



**Molecular Formula:** C<sub>30</sub>H<sub>50</sub>O

**Molecular Weight:** 426.724

**Accurate Mass:** 426.386165

**Percentage Composition:** C 84.44%; H 11.81%; O 3.75%

>>Variant: 3α-form

**CAS Registry Number:** 59860-64-9

**Molecular Formula:** C<sub>30</sub>H<sub>50</sub>O

**Molecular Weight:** 426.724

**Accurate Mass:** 426.386165

**Percentage Composition:** C 84.44%; H 11.81%; O 3.75%

**Biological Source:** Isol. from *Castanopsis* spp. and *Centaurea phyllocephala*

**Melting Point:** Mp 189-191°

**Optical Rotation:** [α]<sub>D</sub> +37.2 (CHCl<sub>3</sub>)

>>Variant: 3β-form

**CAS Registry Number:** 564-14-7

**Molecular Formula:** C<sub>30</sub>H<sub>50</sub>O

**Molecular Weight:** 426.724

**Accurate Mass:** 426.386165

**Percentage Composition:** C 84.44%; H 11.81%; O 3.75%

**Biological Source:** Constit. of *Quercus championi*

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 228-229°

**Optical Rotation:** [α]<sub>D</sub> +45.3 (c, 0.8 in CHCl<sub>3</sub>)

>>Derivative: Ac

**CAS Registry Number:** 28937-68-0

**Molecular Formula:** C<sub>32</sub>H<sub>52</sub>O<sub>2</sub>

**Molecular Weight:** 468.762

**Accurate Mass:** 468.39673

**Percentage Composition:** C 81.99%; H 11.18%; O 6.83%

**Biological Source:** Constit. of *Quercus championi* and *Quercus gilva*

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 258-262°

**Optical Rotation:** [α]<sub>D</sub> +55.4 (c, 1 in CHCl<sub>3</sub>)

>>Derivative: 3-Ketone

**Synonym(s):** 17(21)-Hopen-3-one. **Hopenone I**

**CAS Registry Number:** 471-61-4

**Molecular Formula:** C<sub>30</sub>H<sub>48</sub>O

**Molecular Weight:** 424.709

**Accurate Mass:** 424.370515

**Percentage Composition:** C 84.84%; H 11.39%; O 3.77%

**Biological Source:** Prod. by *Rhodocrobium vanniellii*

**Physical Description:** Cryst. (Me<sub>2</sub>CO/CHCl<sub>3</sub>)

**Melting Point:** Mp 197-197.5°

**Optical Rotation:** [α]<sub>D</sub> +93 (c, 0.74 in CHCl<sub>3</sub>)